

Rabbit anti-Human, Mouse Kir6.2 Polyclonal Antibody | anti-Kir6.2 antibody

Kir6.2 (Phospho-Thr224) Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA301074	Rabbit	Human, Mouse	Immunofluorescence, Western Blot

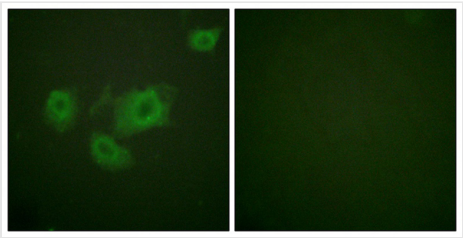
PRODUCT SYNONYMS

Kir6.2; Polyclonal Antibody; Kir6.2 (Phospho-Thr224) Antibody; ATP-sensitive inward rectifier potassium channel 11; IKATP; IRK11; Inward rectifier K channel Kir6.2; KCNJ11; Potassium channel; inwardly rectifying; subfamily J; member 11; anti-Kir6.2 antibody

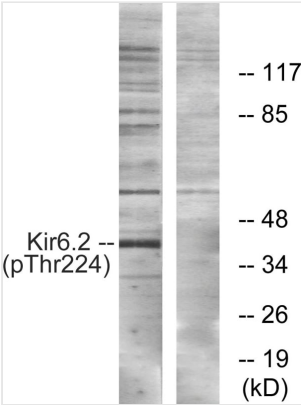
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Specificity	The antibody detects endogenous levels of Kir6.2 only when phosphorylated at threonine 224.
Purity/Purification	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography.
Form/Format	Rabbit IgG in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1.0 mg/ml (varies by lot)
Sequence Length	303
Applicable Applications for anti-Kir6.2 antibody	IF (Immunofluorescence), WB (Western Blot)
Immunogen Type	peptide
Immunogen Description	Peptide sequence around phosphorylation site of threonine 224 (K-T-TP-S-P) derived from Human Kir6.2.
Modification	Phospho-Thr224
Target Name	Kir6.2
Preparation and Storage	Store at -20 degree C

IMAGES



IF (Immunofluorescence)
Immunofluorescence analysis of HuvEc cells, using Kir6.2 (Phospho-Thr224) antibody. The picture on the right is treated with the synthesized peptide.



WB (Western Blot)
Western blot analysis of extracts from HeLa cells, using Kir6.2 (Phospho-Thr224) antibody. The lane on the right is treated with the synthesized peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-Kir6.2 antibody	This receptor is controlled by G proteins. Inward rectifier potassium channels are characterized by a greater tendency to allow potassium to flow into the cell rather than out of it. Their voltage dependence is regulated by the concentration of extracellular potassium; as external potassium is raised, the voltage range of the channel opening shifts to more positive voltages. The inward rectification is mainly due to the blockage of outward current by internal magnesium. Can be blocked by extracellular barium By similarity. Subunit of ATP-sensitive potassium channels (KATP). Can form cardiac and smooth muscle-type KATP channels with ABCC9. KCNJ11 forms the channel pore while ABCC9 is required for activation and regulation.
Product Categories/Family for anti-Kir6.2 antibody	Phospho-specific Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	261399884
NCBI GeneID	3767
NCBI Accession #	NP_001159762.1
NCBI GenBank Nucleotide #	NM_001166290.1
UniProt Accession #	Q14654; Q2M1H7; Q58EX3; Q8IW96; B4DWI4; E9PNK0
Molecular Weight	33,263 Da
NCBI Official Full Name	ATP-sensitive inward rectifier potassium channel 11 isoform 2
NCBI Official Synonym Full Names	potassium channel, inwardly rectifying subfamily J, member 11
NCBI Official Symbol	KCNJ11
NCBI Official Synonym Symbols	BIR; HHF2; PHHI; IKATP; TNDM3; KIR6.2; MODY13
NCBI Protein Information	ATP-sensitive inward rectifier potassium channel 11
UniProt Protein Name	ATP-sensitive inward rectifier potassium channel 11
UniProt Gene Name	KCNJ11
UniProt Entry Name	KCJ11_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

